# FlexCrete Mixing and Application Instructions

The first step is to calculate the amount of material required. To do this, measure the length of the surface and multiply by the width to gain the total area. A 65 lb bag combined with one gallon of FlexCrete liquid yields enough mixture to complete an area of 80 square feet to a depth of ¼". If you need more or less depth, adjust the amount accordingly.

FlexCrete can be used in various mix design formulations from patching, featheredging up to 1/16$^{th}$, deep pours, spalling scars, overlay, stamping, moisture resistant parging and many other applications. It can be layered in 2" increments up to a full 6" depth.

## Mixing

Keep all materials dry. DO NOT ADD WATER TO THE MIX. The ratio we recommend is one gallon of FlexCrete liquid to one bag of dry component. This will provide a consistency which is suitable for most trowel applications. The slump may be adjusted to the applicator's preference or to suit the specific job conditions by increasing the amount of either of the two components in the mixture. Start with the FlexCrete liquid in a bucket and then add the dry component. Mix the two components using a drill and paddle or other mechanical means. Once all the material is wet, let it sit for about 5 minutes, and then remix. Now begin the application immediately. The initial set time at 68 F (20 C) is about 15 minutes. Warmer temperatures or storage conditions of the product can reduce this time while cooler ones will lengthen it. The minimum temperature required is 32 F (0C) and remember FlexCrete adheres to virtually any surface, so when cleaning up, use water immediately after the application and before the material sets.

## Application

FlexCrete is job site ready. The surface must be clean and free of loose material. It should be power washed and can be dry or wet but avoid standing water. If you are repairing cracks on regular concrete, be sure to remove loose material from the crack. If the crack is larger than 1/4" we suggest you pre fill the crack with FlexCrete, let it set, then coat the entire surface. Do not rework the material after it has begun to set. FlexCrete involves a dual chemical reaction. The initial polymerization reaction produces high, early strength. The continuing hydration reaction yields outstanding long term strength. The surface is ready for traffic in 4 to 24 hours depending on the application depth, temperature and humidity. Allow 24 hours to cure before overcoating. The cured surface needs no special preparation. Remember, just like the first coat, the surface must be clean.

Surfaces can be smooth or finished as a high, skid resistant finish, feather edged or broom finished just like regular concrete.

FlexCrete can also be poured into forms, trowelled vertically and overhead or applied by squeegee or spray.

Flush all spills and clean all tools with water immediately after each use.